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PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

Application Number

09/614,407

Filing Date

July 12, 2002

First Named Inventor

Zheng, et al

Group Art Unit

1753

Examiner Name

Mutschler

Attorney Docket Number

AMAT/4471.Y1/CMP/ECP/4KK

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

MAY 03 2004

Sheet 1

5

Submission Date

April 29, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
BPM	A1	US-2,742,413	04/17/1956	Cransberg, et al.	
	A2	US-2,882,209	04/14/1959	Brown	
	A3	US-3,627,661	02/13/1969	Gordon, et al.	
	A4	US-3,649,509	03/14/1972	Morawetz, et al.	
	A5	US-3,727,620	04/17/1973	Orr	
	A6	US-4,027,686	06/07/1977	Shortes, et al.	
	A7	US-4,065,374	12/27/1977	Asami, et al.	
	A8	US-4,092,176	05/30/1978	Kozai, et al.	
	A9	US-4,110,176	08/29/1978	Creutz, et al.	
	A10	US-4,113,492	09/12/1978	Sato, et al.	
	A11	US-4,120,759	10/17/1978	Asami, et al.	
	A12	US-4,129,480	12/12/1978	Robert	
	A13	US-4,326,940	04/27/1982	Eckles, et al.	
	A14	US-4,336,114	06/22/1982	Mayer, et al.	
	A15	US-4,376,685	03/15/1983	Watson	
	A16	US-4,405,416	09/20/1983	Raistrick, et al.	
	A17	US-4,428,815	01/31/1984	Powell, et al.	
	A18	US-4,489,740	12/25/1984	Rattan, et al.	
	A19	US-4,518,678	05/21/1985	Allen	
	A20	US-4,519,846	05/28/1985	Aigo	
	A21	US-4,693,805	09/15/1997	Quazi	
AV	A22	US-4,732,785	03/22/1998	Breser Brewer	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
BPM	B1	99/54527 A2	10/28/1999	WO		
BPM	B2	99/26275	05/27/1999	WO		

Examiner *Brian L Mutschler*

Date Considered *9/16/2004*

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary) MAY 03 2004

Sheet 2

5

Application Number	09/614,407
Filing Date	July 12, 2002
First Named Inventor	Zheng, et al
Group Art Unit	1753
Examiner Name	Mutschler
Attorney Docket Number	AMAT/4471.Y1/CMP/ECP/4KK

Submission Date April 29, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
BPM	A23	US-4,789,445	12/06/1988	Goffman, et al.	
	A24	US-4,869,971	09-26-1989	Nee, et al.	
	A25	US-5,055,425	10/08/1991	Leibovitz, et al.	
	A26	US-5,092,975	03/03/1992	Yamamura, et al.	
	A27	US-5,155,336	10/13/1992	Gronet, et al.	
	A28	US-5,162,260	11/10/1992	Leibovitz, et al.	
	A29	US-5,178,813	01/12/1993	Akatsu, et al.	
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	A33	US-5,252,807	10/12/1993	Chizinsky	
	A34	US-5,259,407	11/09/1993	Tuchida, et al.	
	A35	US-5,290,361	03/01/1994	Hayashida, et al.	
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	A38	US-5,328,589	07/12/1994	Martin	
	A39	US-5,349,978	09/27/1994	Sago, et al.	
✓	A40	US-5,368,711	11/29/1994	Poris	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
BPM	B3	99/25904	05/27/1999	WO		
	B4	99/25903	05/27/1999	WO		
	B5	99/25902	05/27/1999	WO		
✓	B6	932 709	09/08/1955	DE	no translation	

Examiner *Brian R. Mutschler*

Date Considered 9/16/2004

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

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**SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

MAY 03 2004

Sheet

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Submission Date

09/614,407

Filing Date July 12, 2002

First Named Inventor Zheng, et al

Group Art Unit 1753

Examiner Name Mutschler

Attorney Docket Number AMAT/4471.Y1/CMP/ECP/4KK

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
BLM	A41	US-5,377,708	01/03/1995	Bergman, et al.	
	A42	US-5,415,890	05/16/1995	Kloiber, et al.	
	A43	US-5,447,615	09/05/1995	Ishida	
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	A46	US-5,528,118	06/18/1996	Lee	
	A47	US-5,608,943	03/11/1997	Konishi, et al.	
	A48	US-5,625,170	04/29/1997	Poris	
	A49	US-5,651,865	07/29/1997	Sellers	
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	A51	US-5,705,223	01/06/1998	Bunkofske	
	A52	US-5,730,890	03/24/1998	Bickford, et al.	
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	A57	US-6,113,771	07/25/2000	Izumi, et al. Landau, et al	
	A58	US-6,133,061	09/05/2000	Landau, et al. Sonoda	
	A59	US-6,162,344	12/19/2000	Reid, et al.	
	A60	US-6,174,425	01/16/2001	Simpson, et al.	
✓	A61	US-6,203,582	03/20/2001	Berner, et al.	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
BLM	B7	6-17291	01/25/1994	JP		
BLM	B8	520 563 69	09/05/1977	JP		

Examiner *Brian L Mutschler*Date Considered *9/16/2004*

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

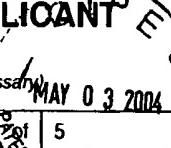
(Use as many sheets as necessary)

MAY 03 2004

Sheet 4

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Application Number	09/614,407
Filing Date	July 12, 2002
First Named Inventor	Zheng, et al
Group Art Unit	1753
Examiner Name	Mutschler
Attorney Docket Number	AMAT/4471.Y1/CMP/ECP/4KK
Submission Date	April 29, 2004



PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
BLM	A62	US-6,254,760	07/03/2001	Shen, et al.	
	A63	US-6,261,433	07/17/2001	Landau	
	A64	US-6,261,733	07/17/2001	Kust, et al. Cappens et al	
↓	A65	US-6,267,853	07/31, 2001	Dordi, et al.	
	A66	US-6,340,608	01/23/2002	Lopatin, et al. *	
BL M	A67	US-6,344,419	02/05/2002	Forster, et al.	
	A68	US-6,350,366	02/26/2002	Landau, et al.	
	A69	US-6,391,166	05/21/2002	Wang	
	A70	US-6,395,101	05/28/2002	Scranton, et al.	
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	A76	US-6,565,729	05/20/2003	Chen, et al	
	A77	US-6,632,345	10/14/2003	Chen	
	A78	US-6,638,410	10/28/2003	Chen, et al	
	A79	US-09/614,407		Zheng, et al.	
✓	AB0	US-09/569,833		Gandikota, et al.	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
BLM	B9	443 108	11/22/1968	SU	No translation	
	B10	4-141395	05/06/1994	JP		
	B11	1 160 846	12/05/2001	EP		
✓	B12	01/90446	11/19/2001	WO		

Examiner

Brian L Mutschler

Date Considered 9/16/2004

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* cited by Examiner in action mailed 6/11/2003

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PTO/SB/08b (08-03)

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Sheet 5

5

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First Named Inventor	Zheng, et al
Group Art Unit	1753
Examiner Name	Mutschler
Attorney Docket Number	AMAT/4471.Y1/CMP/ECP/4KK
Submission Date	April 29, 2004

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
BLM		Olgado, et al. "Stable Cell Platform," filed 09/29/00; USSN 09/676,362	
		Dordi, et al. "Flow Diffuser to be Used in Electro-Chemical Plating System," filed 12/05/00; USSN 09/731,326	
		Olgado, "Linear Motion Apparatus and Associated Method," filed 10/16/00; USSN 09/684,500	
		Dordi, et al. "Method and Associated Apparatus for Tilting a Substrate Upon Entry for Metal Deposition," filed 10/03/00; USSN 09/678,947 (2601.P5)	
		Olgado, et al. "Multiple Blade Robot Adjustment Apparatus and Associated Method," filed 09/18/00; USSN 09/664,607 (2601.P3)	
		Olgado, "Removable Modular Cell for Electro-Chemical Plating," filed 09/15/00; USSN 09/663,814 (2601.P2)	
		Colombo, "Wafer Back Surface Film Removal," Central R&D, SGS-THOMSON Microelectronics, Agate Italy	
✓		International Search Report for PCT Application US01/15200 dated March 11, 2003. (AMAT/4582.PC)	

Examiner

Date Considered 9/16/2004

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JUN 24 2004

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Sheet 1

of 5

Application Number	09/614,407
Filing Date	JULY 12, 2000
First Named Inventor	ZHENG, ET AL.
Group Art Unit	1753
Examiner Name	BRIAN MUTSCHLER
Attorney Docket Number	AMAT/4471.Y3/CMP/ECP/RKK

Submission Date

07/24/2004

U.S. PATENT DOCUMENTS

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A1	US 2,742,413	X	04/17/1956	GRANSBERG, ET AL.	
A2	US 2,882,289		04/14/1959	BROWN	
A3	US 3,027,681		02/13/1969	GORDON, ET AL.	
A4	US 3,649,509		03/14/1972	MORAWETZ, ET AL.	
A5	US 3,727,620		04/17/1973	ORR	
A6	US 4,027,688		06/07/1977	SHORTES, ET AL.	RECEIVED JUL 01 2004 IC 1700
A7	US 4,065,374		12/27/1977	ASAMI, ET AL.	
A8	US 4,192,170		05/30/1978	KOZAI, ET AL.	
A9	US 4,110,170		08/29/1978	CREUTZ, ET AL.	
A10	US 4,113,492		09/12/1978	SATO, ET AL.	
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A13	US 4,326,340		04/27/1982	ECKLES, ET AL.	
A14	US 4,336,114		06/22/1982	MAYER, ET AL.	
A15	US 4,376,665		03/15/1983	WATSON	
A16	US 4,405,416		09/20/1983	RAISTRICK, ET AL.	
A17	US 4,428,813		01/31/1984	POWELL, ET AL.	
A18	US 4,489,740		12/25/1984	RATTAN, ET AL.	
A19	US 4,510,878		05/21/1985	ALLEN	
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A21	US 4,699,805		09/15/1997	QUAZI	
A22	US 4,732,705		03/22/1988	BRESEN	

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B1	WO 99/54527	X	10/20/1999	APPLIED MATERIALS, INC.		
B2	WO 99/26275		05/27/1999	NOVELLUS SYSTEMS, INC.		
B3	WO 99/25984		06/27/1999	NOVELLUS SYSTEMS, INC.		

Examiner *Brian L Mutschler*

Date Considered *9/16/2004*

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* duplicate reference (20040503)

20040624

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PTO/SB/08a (08-03)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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Substitute for form 1449A/PTC

JUN 24 2004

O I P E
P A T E N T / T R A D E M A R K
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	09/614,407
Filing Date	JULY 12, 2000
First Named Inventor	ZHENG, ET AL.
Group Art Unit	1753
Examiner Name	BRIAN MUTSCHLER
Attorney Docket Number	AMAT/4471.Y3/CMP/ECP/RKK

Sheet 2

of 5

Submission Date

6/24/04

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
A23	US-4,789,445	X	12/06/1988	GOFFMAN, ET AL.	
A24	US-4,859,977		09/26/1989	NEE, ET AL.	
A25	US-5,055,425		10/08/1991	LEIBOVITZ, ET AL.	
A26	US-5,092,975		03/03/1992	YAMAMURA, ET AL.	
A27	US-5,155,386		10/13/1992	GRONET, ET AL.	RECEIVED JUL 01 2004
A28	US-5,162,200		11/10/1992	LEIBOVITZ, ET AL.	
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A30	US-5,222,310		06/29/1993	THOMPSON, ET AL.	
A31	US-5,224,504		07/06/1993	THOMPSON, ET AL.	
A32	US-5,290,743		07/27/1993	THOMPSON, ET AL.	
A33	US-5,252,807		10/12/1993	CHIZINSKY	
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A36	US-5,302,255		04/12/1994	MIURA, ET AL.	
A37	US-5,318,974		05/31/1994	CRANK	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
B4	WO-99/25993	X	05/27/1999	NOVELLUS SYSTEMS, INC.		
B5	WO-99/25992		05/27/1999	NOVELLUS SYSTEMS, INC.		
B6	DE-932 709 W/ENG. ABSTRACT		09/08/1955	W-KAMPSCHULTE & CIE SOLINGEN D		
B7	JP-61-7291 W/ENG. ABSTRACT		01/13/1986	MITSUBISHI KASEI KOGYO KK		
B8	JP-62-36369 W/ENG. ABSTRACT	X	06/08/1977	SHIOSHIMA MASARU, MUTOU HACHIROU		
B9	SU-443108 NO ENG. ABSTRACT		09/16/1974	UNKNOWN		

Examiner Brian L Mutschler

Date Considered 9/16/2004

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X duplicate reference (20040503)

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PTO/SB/08a (08-03)

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JUN 24 2004
PAS 105

Application Number	09/614,407
Filing Date	JULY 12, 2000
First Named Inventor	ZHENG, ET AL.
Group Art Unit	1753
Examiner Name	BRIAN MUTSCHLER
Attorney Docket Number	AMAT/4471.Y3/CMP/ECP/RKK

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 3

of 5

Submission Date

6/24/04

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
A41	US-5,377,700	X	04/03/1995	BERGMAN, ET AL.	
A42	US-5,415,890		03/16/1995	KLOIBER, ET AL.	
A43	US-5,447,015		09/05/1995	ISHIDA	RECEIVED
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A45	US-5,516,412		05/14/1996	ANDRICACOS, ET AL.	
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A51	US-5,705,223		01/06/1998	BUNKOFSKY	
A52	US-5,730,890		03/24/1998	BICKFORD, ET AL.	
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A64	US-6,261,433	X	07/17/2001	LANDAU	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
B10	JP-4-1111995-W/ENG. ABSTRACT	X	05/14/1992	SHOJI KATSUYUKI		

Examiner Brian L Mutschler

Date Considered 9/16/2004

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* duplicate reference (20040503)
** (20021015)

2004 06 24

Substitute for form 1449A/PTO

JUN 24 2004
SAC**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 4

of 5

Application Number	09/614,407
Filing Date	JULY 12, 2000
First Named Inventor	ZHENG, ET AL.
Group Art Unit	1753
Examiner Name	BRIAN MUTSCHLER
Attorney Docket Number	AMAT/4471.Y3/CMP/ECP/RKK

Submission Date

(07/24/04)

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A65	US-6,201,733 *	05/06/2001	RUST, ET AL.	
	A66	US-6,207,853	07/31/2001	DORDI, ET AL.	
	A67	US-6,340,699	01/22/2002	LOPATIN, ET AL.	
	A68	US-6,344,419	02/05/2002	FORSTER, ET AL.	
	A69	US-6,350,966	02/26/2002	LANDAU, ET AL.	
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	A80	US-6,565,729 *	05/20/2003	CHEN, ET AL.	
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	A85	US-6,696,410 *	10/26/2003	CHEN, ET AL.	
BLM	A86	US-6,662,673	12/16/2003	OLGADO	
	A87	US-2001-0015321 *	08/25/2001	REID, ET AL.	
BLM	A85	US-2002-0011415	01/31/2002	HEY, ET AL.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	B11	EP-1-160-846 *	12/05/2001	APPLIED MATERIALS, INC.		
	B12	WO-01790440 *	11/19/2001	APPLIED MATERIALS, INC.		

Examiner Brian L Mutschler

Date Considered 9/16/2004

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* duplicate reference (20040503)

** 892 (paper #20)
20030611

20040624

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Substitute for form 1449B/PTO JUN 24 2004

JUN 24 2004

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 15

of

5

Application Number 09/614,407

Filing Date JULY 12, 2000

First Named Inventor ZHENG, ET AL.

Group Art Unit

Examiner Name

Attorney Docket Number AMAT/4471.Y3/CMP/E

Submission Date | 02/01/18

Submission Date |

NON PATENT LITERATURE DOCUMENTS

Examiner Brian J. McComb

Date Considered 9/16/2004

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* duplicate reference (20040503)

** (20021015)

20040624